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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 09/933,972 |
| | | | | Filing Date | 2001-08-20 |
| | | | | First Named Inventor | HAWKES, Philip |
| | | | | Art Unit | 2439 |
| | | | | Examiner Name | SIMITOSKI, MICHAEL J |
| Sheet | 1 | of | 8 | Attorney Docket No: 010497 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---|-----------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | 001 | US5056109 | 10-08-1991 | GILHOUSEN; Klein S., et al. | |
| | 002 | US5235631 | 08-10-1993 | GRUBE; Gary W., et al. | |
| | 003 | US5365572 | 11-15-1994 | SAEGUSA; Noboru, et al. | |
| | 004 | US5881368 | 03-09-1999 | GROB; Matthew S., et al. | |
| | 005 | US5884196 | 03-16-1999 | LEKVEN; Eric J., et al. | |
| | 006 | US5970417 | | TOYRYLA; Hannu, et al. | |
| | 007 | US5983099 | 11-09-1999 | YAO; Yu-Dong, et al. | |
| | 008 | US6006073 | 12-21-1999 | GLAUNER; Martin, et al. | |
| | 009 | US6058289 | 05-02-2000 | GARDNER; Steven Holmsen, et al. | |
| | 010 | US6067290 | 05-23-2000 | PAULRAJ; Arogyaswami J., et al. | |
| | 011 | US6353614 | 03-05-2002 | BORELLA; Michael S., et al. | |
| | 012 | US6415312 | 07-02-2002 | BOIVIE; Richard H. | |
| | 013 | US6473419 | 10-29-2002 | GRAY; Steven D., et al. | |
| | 014 | US6502140 | 12-31-2002 | BOIVIE; Richard H. | |
| | 015 | US6523069 | 02-18-2003 | LUCZYCKI; Edward A., et al. | |
| | 016 | US6529740 | 03-04-2003 | GANUCHEAU; Jr. Charles Joseph, et al. | |
| | 017 | US6539242 | 03-25-2003 | BAYLEY; Gwain | |
| | 018 | US6577848 | 06-10-2003 | GREGG; Ralph Charles, et al. | |

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| | 019 | US6728226 | 04-27-2004 | NAITO; Kosuke | |
| | 020 | US6731936 | 05-04-2004 | CHEN; Tao, et al. | |
| | 021 | US6804520 | 10-12-2004 | JOHANSSON; Ingemar, et al. | |
| | 022 | US6831910 | 12-14-2004 | MOON; Hi-Chan, et al. | |
| | 023 | US6920119 | 07-19-2005 | RINCHIUSO; Joseph | |
| | 024 | US6956833 | 10-18-2005 | YUKIE; Satoru, et al. | |
| | 025 | US6978143 | 12-20-2005 | VIALEN; Jukka | |
| | 026 | US6983410 | 01-03-2006 | CHEN; Tao, et al. | |
| | 027 | US6987982 | 01-17-2006 | WILLENEGGER; Serge, et al. | |
| | 028 | US7133353 | 11-07-2006 | SOUROUR; Essam, et al. | |
| | 029 | US20010036200 | 11-01-2001 | NELSON; G. Rodney, et al. | |
| | 030 | US20010036834 | 11-01-2001 | DAS; Subir, et al. | |
| | 031 | US20020181423 | 12-05-2002 | CHEN; Tao, et al. | |
| | 032 | US20030134655 | 07-17-2003 | CHEN; Tao, et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|--------------------------|
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| | 033 | EP0993128A1 | 04-12-2000 | MOTOROLA INC [US] | | <input type="checkbox"/> |

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| | | Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | | | | |
| | 034 | EP0999656A1 | 05-10-2000 | NEC CORP [JP] | | <input type="checkbox"/> |
| | 035 | EP1143635A1 | 10-10-2001 | NTT DOCOMO INC [JP] | | <input type="checkbox"/> |
| | 036 | JP03179841 | 05-08-1991 | MATSUSHITA ELECTRIC IND CO LTD. | | <input type="checkbox"/> |
| | 037 | JP06125554 | 05-06-1994 | COMMUNICATIONS SATELLITE CORP (COMSAT) | | <input checked="" type="checkbox"/> |
| | 038 | JP10023529A | 01-23-1998 | NIPPON TELEGRAPH &, et al. | | <input type="checkbox"/> |
| | 039 | JP10051380A | 02-20-1998 | MITSUBISHI ELECTRIC CORP . | | <input type="checkbox"/> |
| | 040 | JP10093547 | 04-10-1998 | CANON KK. | | <input checked="" type="checkbox"/> |
| | 041 | JP10191459 | 07-21-1998 | NOKIA MOBILE PHONES LTD. | | <input checked="" type="checkbox"/> |
| | 042 | JP10240826 | 11-09-1998 | CARD KOOLE SERVICE KK. | | <input type="checkbox"/> |
| | 043 | JP10512428 | 11-24-1998 | KONINKL PHILIPS ELECTRONICS NV. | | <input type="checkbox"/> |
| | 044 | JP1101042 | 04-19-1989 | NEC CORP. | | <input type="checkbox"/> |
| | 045 | JP11127468 | 05-11-1999 | FUJITSU LTD . | | <input checked="" type="checkbox"/> |
| | 046 | JP11161167 | 06-18-1999 | PUMPKIN HOUSE:KK. | | <input type="checkbox"/> |
| | 047 | JP11513853 | 11-24-1999 | NOKIA TELECOMMUNICATIONS OY [FI] | | <input type="checkbox"/> |
| | 048 | JP2000261374A | 09-22-2000 | MATSUSHITA ELECTRIC IND CO LTD . | | <input type="checkbox"/> |
| | 049 | JP2000269959 | 09-29-2000 | LUCENT TECHNOL INC. | | <input type="checkbox"/> |

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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|-----------------------------------|--|--|-------------------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T 6 |
| | | Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | | | | |
| | 050 | JP2000295541 | 10-20-2000 | MATSUSHITA ELECTRIC IND CO LTD. | | <input checked="" type="checkbox"/> |
| | 051 | JP2000324155A | 11-24-2000 | HITACHI LTD . | | <input type="checkbox"/> |
| | 052 | JP2001016253A | 01-19-2001 | HITACHI LTD . | | <input type="checkbox"/> |
| | 053 | JP2001045100A | 02-16-2001 | LUCENT TECHNOLOGIES INC . | | <input type="checkbox"/> |
| | 054 | JP2001077859 | 03-23-2001 | CIT ALCATEL. | | <input checked="" type="checkbox"/> |
| | 055 | JP200136941 | 02-09-2001 | NOKIA MOBILE PHONES LTD. | | <input checked="" type="checkbox"/> |
| | 056 | JP2001500327 | 01-09-2001 | ERICSSON TELEFON AB L M [SE] | | <input type="checkbox"/> |
| | 057 | JP2002175505 | 06-21-2002 | CITIZEN WATCH CO LTD. | | <input checked="" type="checkbox"/> |
| | 058 | JP2002216040 | 08-02-2002 | NIPPON TELEGRAPH & TELEPHONE EAST CORP. | | <input checked="" type="checkbox"/> |
| | 059 | JP2002232962 | 08-16-2002 | KDDI CORP. | | <input checked="" type="checkbox"/> |
| | 060 | JP2002300152 | 10-11-2002 | HITACHI LTD. | | <input checked="" type="checkbox"/> |
| | 061 | JP2002319936 | 10-31-2002 | NTT DOCOMO INC. | | <input type="checkbox"/> |
| | 062 | JP2002514024 | 05-14-2002 | GIESECKE & DEVRIENT GMBH [DE] | | <input type="checkbox"/> |
| | 063 | JP2003115832 | 04-18-2003 | NIPPON HOSO KYOKAI <NHK> | | <input type="checkbox"/> |
| | 064 | JP2003124927 | 04-25-2003 | SONY CORP. | | <input type="checkbox"/> |
| | 065 | JP2003503896 | 01-28-2003 | ERICSSON TELEFON AB L M . | | <input type="checkbox"/> |
| | 066 | JP200352029 | 02-21-2003 | NEC CORP. | | <input checked="" type="checkbox"/> |

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| | | Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | | | | |
| | 067 | JP2003521843T | 07-15-2003 | MOTOROLA INC [US] | | <input type="checkbox"/> |
| | 068 | JP2004343764 | 12-02-2004 | LUCENT TECHNOLOGIES INC . | | <input type="checkbox"/> |
| | 069 | JP2004533174 | 10-28-2004 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 070 | JP200480663 | 03-11-2004 | ABEL SYSTEMS INC. | | <input type="checkbox"/> |
| | 071 | JP2005509367 | 04-07-2005 | QUALCOMM INCORPORATED. | | <input type="checkbox"/> |
| | 072 | JP2005512471 | 04-28-2005 | QUALCOMM INCORPORATED. | | <input type="checkbox"/> |
| | 073 | JP7193569 | 07-28-1995 | SUN MICROSYSTEMS INC. | | <input checked="" type="checkbox"/> |
| | 074 | KR20000062153 | 10-25-2000 | LUCENT TECHNOLOGIES INC. | | <input checked="" type="checkbox"/> |
| | 075 | KR20010030696 | 04-16-2001 | TELEFONAKTIEBOLAGET LM ERICSSON(PUBL) | | <input checked="" type="checkbox"/> |
| | 076 | TW353841 | 03-01-1999 | SCIENTIFIC-ATLANTA, INC.US. | | <input type="checkbox"/> |
| | 077 | TW373372 | 11-01-1999 | LIN, HENG-DAOTW. | | <input type="checkbox"/> |
| | 078 | TW388158 | 04-21-2000 | TELCORDIA TECHNOLOGIES INCUS. | | <input type="checkbox"/> |
| | 079 | TW448658 | 08-01-2001 | NTT MOBILE COMMUNICATIONS NETWORK INC. | | <input type="checkbox"/> |
| | 080 | TW502190 | 09-11-2002 | TAIWAN CELLULAR CORP.TW. | | <input type="checkbox"/> |
| | 081 | WO00074311 | 12-07-2000 | MOTOROLA INC.,US. | | <input type="checkbox"/> |
| | 082 | WO01013358 | 02-22-2001 | FUJITSU LIMITED. | | <input type="checkbox"/> |

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| | 083 | WO01020805 | 03-22-2001 | MOTOROLA INC.,US. | | <input type="checkbox"/> |
| | 084 | WO0145443 | 06-21-2001 | TELEFONAKTIEBOLAGET LM ERICSSON. | | <input type="checkbox"/> |
| | 085 | WO02096150 | 11-28-2002 | QUALCOMM INCORPORATED,US. | | <input type="checkbox"/> |
| | 086 | WO03051072 | 06-19-2003 | QUALCOMM INCORPORATED. | | <input type="checkbox"/> |
| | 087 | WO2002047356 | 06-13-2002 | THOMSON LICENSING S.A. | | <input type="checkbox"/> |
| | 088 | WO2003001772 | 03-01-2003 | PAPERLESS INTERACTIVE NEWSPAPER, LLC. | | <input type="checkbox"/> |
| | 089 | WO9810604A1 | 03-12-1998 | NOKIA MOBILE PHONES LTD. | | <input type="checkbox"/> |
| | 090 | WO9857509A2 | 12-17-1998 | NOKIA TELECOMMUNICATIONS OY [FI] | | <input type="checkbox"/> |
| | 091 | WO99022466A1 | 05-06-1999 | MOTOROLA INC [US] | | <input type="checkbox"/> |
| | 092 | WO9966657A1 | 12-23-1999 | SAMSUNG ELECTRONICS CO LTD [KR] | | <input type="checkbox"/> |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| | 093 | Alfred J. Menezes, Paul C. van Oorschot and Scott A. Vanstone. "Handbook of APPLIED CRYPTOGRAPHY, CRC Press. (October 1996): p. 364 (in particular, refer to section 9.6.3), http://www.cacr.math.uwaterloo.ca/hac/about/chap9.pdf . | <input type="checkbox"/> |

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| | | | | Application Number | 09/933,972 | |
| | | | | Filing Date | 2001-08-20 | |
| | | | | First Named Inventor | HAWKES, Philip | |
| | | | | Art Unit | 2439 | |
| | | | | Examiner Name | SIMITOSKI, MICHAEL J | |
| Sheet | 7 | of | 8 | Attorney Docket No: 010497 | | |

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| | 096 | HAVERINEN H: "EAP SIM Authentication", 3GPP DRAFT; S3-010663_DRAFT-HAVERINEN-PPPEXT-EAP-SIM-0 2, 3RD GENERATION PARTNERSHIP-PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. SA WG3, no. Sophia; 20011128, 28 November 2001 (2001-11-28), XP050271835, [retrieved on 2001-11-28] . | <input type="checkbox"/> | |
| | 097 | OKAMOTO, "Encryption Technology For Realizing A Bright Information Society 5: Management of Encryption Key Distribution", Bit, Japan, Kyoritsu Shuppan Co., Ltd., November 1, 1991, Vol. 23, No. 12, Pages 51 -59. | <input type="checkbox"/> | |
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